I claim:

A method for processing used and manufacturing scrap asphalt shingle material into ground cover product, the method comprising the steps of:

- 5 shredding said asphalt shingle material into asphalt material flakes;
 - mixing a surface treatment material with the asphalt material flakes; and
- heating the mixture comprising the surface treatment

 10 material and the asphalt material flakes to a temperature

 sufficient for the surface treatment material to embed into

 the surface of the flakes.
 - 2. The method of claim 1 further comprising the steps of:
- in said mixing step, mixing a <u>surfactant</u> with the surface treatment material and the asphalt material flakes; and
 - drying the surface treated flakes.
- 20 3. The method of claim 2 in which said surfactant includes a liquid solvent.

- 4. The method of claim 1 further comprising the steps of:
- laying the surface treated flakes in a substantially
 flat position; and
- 5 compressing the surface treated flakes to form a mat.

15

- asphalt shingle material into ground cover product, the method comprising the steps of:
 - providing:
- 5 a mixing chamber having an inlet and an outlet;
 - means for introducing the asphalt flakes into the inlet of the mixing chamber;
 - surface treatment material; and
 - at least one of:
 - means for introducing dry surface treatment material into the inlet of said mixing chamber,
 - means for introducing liquid-borne surface
 treatment material into said mixing chamber;
 - introducing the asphalt flakes into the inlet of the mixing chamber;
 - introducing one of the dry and the liquid-borne surface treatment material into the mixing chamber;
 - mixing the asphalt flakes and the surface treatment
- 20 material in the mixing chamber;

15

- heating the mixture in the mixing chamber to a temperature sufficient for the surface treatment material to embed into the surface of the asphalt flakes; and
- discharging the surface treated flakes from the5 mixing chamber.
 - 6. The method of claim 5 further comprising the steps of:
 - providing both of said means for introducing surface treatment material into the mixing chamber; and
 - introducing the other of the dry and the liquid-borne surface treatment material into the mixing chamber.
 - 7. The method of claim 5 further comprising the steps of:
 - laying the surface treated flakes in a substantially flat position; and
 - forming a mat by compressing the surface treated flakes together.
 - 8. The method of claim 7 further comprising the steps of:
- 20 providing a backing material; and
 - attaching the backing material with the compressed flakes.

- 9. The method of claim 5 further comprising the steps of:
- in said mixing step, mixing a surfactant with the surface treatment material and the asphalt material flakes; and
 - drying the surface treated flakes.
- 10. The method of claim 5 in which said mixing chamber comprises a mixing tube provided with auger flighting for carrying the material therethrough.

10

1. Apparatus for recycling used/asphalt shingle material into a composite board comprising:

a material staging station having an inlet to receive shingle material flakes and having an outlet;

a processing station receiving the flake material and operative to mix and grind the flakes with solvent saffuced structural fiber;

an extruder receiving the mixed and ground material and adapted to provided extruded ground material therefrom;

one of a pair of opposing compression rollers and a press for compressing the extruded material; and

a cutter positioned to cut the compressed material into composite boards.